

Title (en)

ELECTRONIC SENSOR UNIT FOR DETECTING THE NONCONTACT ACTUATION OF A DOOR OR FLAP ON A MOTOR VEHICLE

Title (de)

ELEKTRONISCHE SENSOREINHEIT ZUR ERFASSUNG DER BERÜHRUNGSLOSEN BETÄTIGUNG EINER TÜR ODER KLAPPE AN EINEM KRAFTFAHRZEUG

Title (fr)

UNITÉ DE DÉTECTION ÉLECTRONIQUE DE L'ACTIONNEMENT SANS CONTACT D'UNE PORTE OU D'UN HAYON DE VÉHICULE AUTOMOBILE

Publication

EP 2901553 A1 20150805 (DE)

Application

EP 13762472 A 20130912

Priority

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Abstract (en)

[origin: WO2014048762A1] The present invention relates to an electronic sensor unit, particularly an electronic sensor unit with a lighting device for marking a target region (Y) in order to identify a detection region (X) of said sensor unit. Corresponding sensor units according to the prior art consist of a plurality of individual components, the assembly of which is laborious and error-prone. The electronic motor vehicle sensor unit (1) according to the invention comprises a housing (2), a control and evaluation device (3) arranged in the housing (2), and at least one capacitive sensor electrode (4a, 4b) with a detection region (X, X'), wherein the capacitive sensor electrode (4a, 4b) is coupled to the control and evaluation device (3) and is arranged in the housing (2). The sensor unit further comprises a lighting device (5a) with an illuminant (5c) that can emit an optical signal, wherein the lighting device (5a) is coupled to the control and evaluation device (3), and a target region (Y) identifying the detection region (X) can be marked outside the housing with the lighting device (5a). The housing (2), the control and evaluation device (3), the at least one capacitive sensor electrode (4a, 4b) and the lighting device (5a) form an integrated assembly.

IPC 1-7

E05F 15/20

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014048762A1

Cited by

DE102018222197B3; EP3375964A4; US10604983B2

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